

### **Listing of the Claims**

1. (Previously presented) A composition comprising a pre-graft human skin equivalent, said pre-graft skin equivalent having a surface electrical capacitance of from about 40 to about 240 pF measured as the difference in reading over a 10 second interval.
2. (Previously presented) The composition of Claim 1, said human skin equivalent having a surface electrical capacitance of from about 80 to about 120 pF measured as the difference in over a 10 second interval.
3. (Previously presented) The composition of Claim 1, wherein the combined content of ceramides 5, 6, and 7 in said pre-graft skin equivalent is from about 20 to about 50% of total ceramide content.
4. (Previously presented) The composition of Claim 1, wherein the content of ceramide 2 in said pre-graft skin equivalent is from about 10 to about 40% of total ceramide content.
5. (Previously presented) The composition of Claim 1, wherein said pre-graft skin equivalent comprises keratinocytes selected from the group consisting of primary keratinocytes and immortalized keratinocytes.
6. (Previously presented) The composition of Claim 5, wherein said immortalized keratinocytes are Near Diploid Immortalized Keratinocyte cells.
7. (Canceled)
8. (Previously presented) The composition of Claim 1, further comprising keratinocytes derived from a patient.
- 9-54. (Canceled)